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IT Cost
Under Control

EPV Technologies

Newsletter

August 2023

THIS MONTH HIGHLIGHTS

- EPV User Group 2023 – Preliminary Agenda
- z/OS 3.1 announcement

EPV User Group 2023 – Preliminary Agenda



The XXI EPV User Group will be in presence again. It will be held at Hotel Cicerone in Rome from 11th to 12th October.

The EPV User Group is a "not to miss" event for all Performance Analysts; it will give you the opportunity to share ideas with qualified experts and to listen to some of the EPV customers experiences. The most interesting features provided by the latest versions of all EPV products will also be presented.

The EPV User Group is free of charge and reserved to EPV customers. If you are not a customer yet but you are interested in participating, please answer to this e-mail asking for an invitation.

Mark these dates in your agenda to avoid missing this event.

Here is the preliminary agenda:



Customer Questions

I was searching for the JOBCLASS (SMF30CLS) and WAITING_TIME (SMF30SQT) metrics in MYEPV and EPV docs, but I was unable to find them.

I will need to create a report about JOBS waiting from specific JOBCLASS for the Initiator.

In the MWKLI database I found SMF30_US_QueueTime, but this column has no value in MYEPV.

EPV Technical Support answer

Generally, if you can't find a field in the EPV for z/OS Database Layout manual it means that it is not used by the product so you will not find it in the historical databases (MWKLA, MRESA, MTRND, etc.).

The SMF30CLS and SMF30SQT metrics are not collected in EPV for z/OS but you can find them in the EPV030_5_JobTerm table in the EPV zParser DB.

Please note that all the SMF fields can be available in the EPV zParser DB but, for some of them the collection is active by default, for others it needs to be activated (SMF30CLS for example is one of those that must be manually activated).

The SMF30_US_QueueTime is not related to job queuing to the jobclass. It is the total queue time from when the request was submitted to zEDC for compression until the adapter started executing the request.



Optimal Block Size

At many sites, the copy utility IEBGENER is a frequently used program. Improving copy performance can greatly improve the overall batch elapsed time.

In most cases, ICEGENER also requires less EXCPs and CPU time.

We made a test with two jobs to make a copy of the same dataset:

- the first executing IEBGENER;
- the second executing ICEGENER.

Both jobs created an output file on disk with BLKSIZE=0 and using 2096 CYLs.

We run the test more times. These are the results:

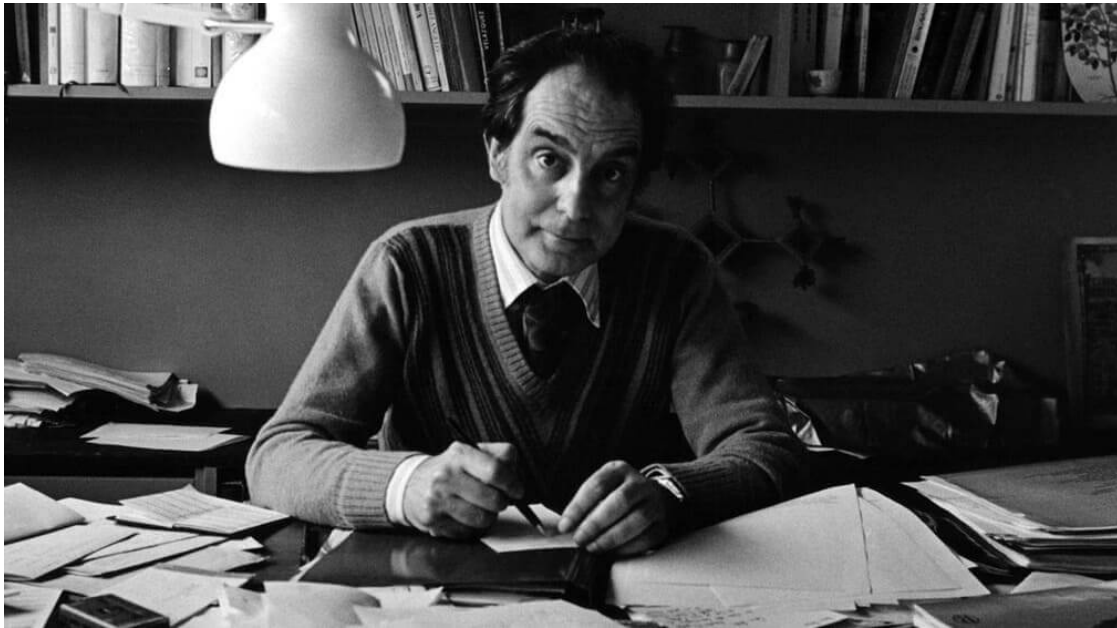
	CPU seconds	EXCPs (K)	ELAPSED seconds
JOB1 (IEBGENER)	0,7	125	33
JOB2 (ICEGENER)	0,2	2,3	10

With this simple change we got a reduction of:

- about 70% of the elapsed time;
- about 98% of the number of EXCPs.

We also got a significant reduction of the CPU time: about 70%.

Quotes



"Prendete la vita con leggerezza, che leggerezza non è superficialità, ma planare sulle cose dall'alto, non avere macigni sul cuore".

"Take life lightly, for lightness is not superficial, but gliding above things, not having weights on your heart".

Italo Calvino

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